

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 300 | ((virtual adj machine adj monitor) or vmm) and processor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/05 12:07 |
| S2 | 200 | S1 and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/06 09:50 |
| S3 | 300 | ((virtual adj machine adj monitor) or vmm) and processor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/06 13:15 |
| S4 | 200 | S3 and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/05 16:20 |
| S6 | 16 | S4 and guest | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/05 16:21 |
| S7 | 1094 | v32 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/06 13:16 |
| S8 | 56 | S7 and processor and interrupt | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/06 13:16 |
| S9 | 2527 | 713/200.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/06 13:57 |

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|-----|-------|------------------------------|---|-----|-----|------------------|
| S10 | 2 | "5511217".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/06 14:12 |
| S11 | 2 | "5386552".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/06 14:12 |
| S12 | 1 | "6795966".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:13 |
| S13 | 0 | S12 and guest | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/06 14:51 |
| S14 | 1 | S12 and operating adj system | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/06 16:57 |
| S15 | 2 | "6496847".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:47 |
| S16 | 6 | redirection adj bitmap | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:01 |
| S17 | 23641 | (address adj space) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:03 |

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|-----|-------|---------------------|---|-----|-----|------------------|
| S18 | 17201 | S17 @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:05 |
| S19 | 11044 | S18 and transfer\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:07 |
| S20 | 8694 | S19 and processor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:08 |
| S21 | 77 | S20 and vmm | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:10 |
| S22 | 1 | "6795966".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:13 |
| S23 | 1 | S22 and address | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:15 |
| S24 | 1 | S22 and processor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:34 |
| S25 | 1 | S22 and register | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 09:36 |

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| S26 | 8 | operation and guest and software and virtual and monitor.ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:09 |
| S27 | 340 | modif\$4 and guest and interrupt | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:11 |
| S28 | 213 | S27 @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:11 |
| S29 | 148 | S28 and (flag or register) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:13 |
| S30 | 132 | S29 and (operating adj system or software) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:22 |
| S31 | 5 | modif\$4 and guest and interrupt adj flag | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:23 |
| S32 | 6 | interrupt adj flag and guest and (software or operating adj system or os) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 13:18 |
| S33 | 0 | shadow adj interrupt adj flag | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:56 |

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| S34 | 96 | shadow and interrupt adj flag | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:56 |
| S35 | 0 | L19@ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 10:57 |
| S36 | 87 | S34 and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 11:21 |
| S37 | 1 | "6785886".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 11:21 |
| S38 | 1 | S37 and flag | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 12:29 |
| S39 | 13513 | bitmap | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 12:30 |
| S40 | 1688 | S39 and interrupt | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 12:31 |
| S41 | 988 | S40 and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 12:31 |

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| S42 | 839 | S41 and processor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 12:32 |
| S43 | 8 | S42 and guest | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 12:35 |
| S44 | 439 | S42 and virtual | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 12:35 |
| S45 | 5 | S42 and vmm | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 12:36 |
| S46 | 1253 | interrupt adj flag and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 15:55 |
| S47 | 346 | S46 and (interrupt\$3 near mask\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 13:05 |
| S48 | 10 | S46 and (control\$4 near interrupt\$3 near mask\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 13:05 |
| S49 | 0 | CPL near (guest adj software or guest adj os) near modif\$3 and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 14:09 |

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| S50 | 0 | (CPL near guest near modif\$3) and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 14:09 |
| S51 | 0 | (CPL and guest near modif\$3) and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 14:10 |
| S52 | 4 | (CPL and guest) and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 14:10 |
| S53 | 4 | ((CPL or IF) and guest) and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 14:11 |
| S54 | 134 | (interrupt and flag and guest) and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 14:11 |
| S55 | 81 | "5386552", "5511217", "6496847", "6795966".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/07 14:30 |
| S56 | 0 | S55 and (guest near interrupt) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/07 14:31 |
| S57 | 0 | S55 and (guest same interrupt) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/07 14:31 |

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| S58 | 2 | S55 and (guest and interrupt) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/07 14:31 |
| S59 | 1253 | interrupt adj flag and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/07 15:55 |
| S60 | 4 | S59 and guest and (software or operating adj system) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/12 08:17 |
| S61 | 1 | guest and manipulate and interrupt adj flag | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/12 08:13 |
| S62 | 1253 | interrupt adj flag and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/12 08:17 |
| S63 | 4 | S62 and guest | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/12 09:17 |
| S64 | 0 | pvi and shadow and interrupt | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/12 09:17 |
| S65 | 87 | shadow and interrupt adj flag and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/12 09:18 |

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| S66 | 0 | shadow near interrupt adj flag and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/12 09:19 |
| S67 | 4 | shadow same interrupt adj flag and @ad<"20010101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2004/10/12 09:19 |

Google Search:

An Introduction to Virtualization

<http://www.kernelthread.com/publications/virtualization/>

VMM and processor and "guest software"

virtual machine monitor and processor and guest and privilege

virtual machine monitor and processor and guest and privilege and security

vmm and processor and guest and V32

interrupt and vmm and processor and security

interrupt and vmm and processor and security and privilege and guest

"address space" and VMM and guest

bitmap and interrupt and "guest software" and processor

("interrupt flag") and guest software and masking

software and modify and "interrupt flag"

advantage and "interrupt flag"

guest and modify and "interrupt flag"

guest and manipulate and "interrupt flag"

pvi and virtual interrupt

virtual interrupt and shadow interrupt

Need to find....

Robin, J. S., and C. E. Irvine. "Analysis of the intel pentium's ability to support a secure virtual machine monitor." Denver, CO: Proceedings of the 9th USENIX Security Symposium, Aug 2000.

<http://64.233.161.104/search?q=cache:hpZOU3Y3NYJ:www.pdos.lcs.mit.edu/papers/exo:coffing-meng.ps+bitmap+and+interrupt+and+%22guest+software%22+and+processor&hl=en>

<http://www-ti.informatik.uni-tuebingen.de/~spruth/Mirror/partit/Plex86.pdf>
(Talks about modifying the interrupt flag)

<http://www.rcollins.org/articles/pvi1/pvi1.html>